

VTX Software news

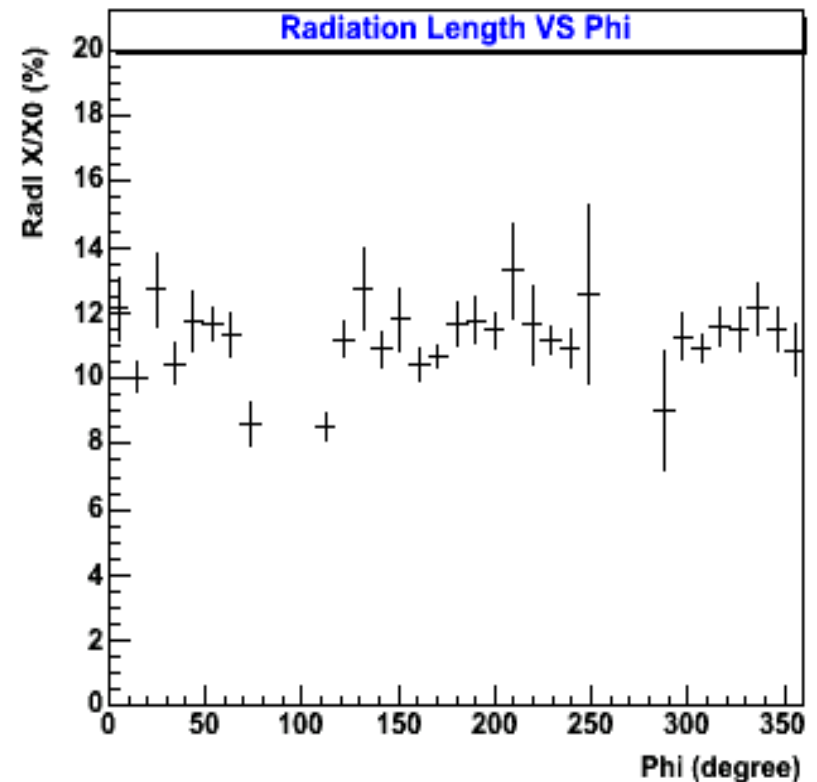
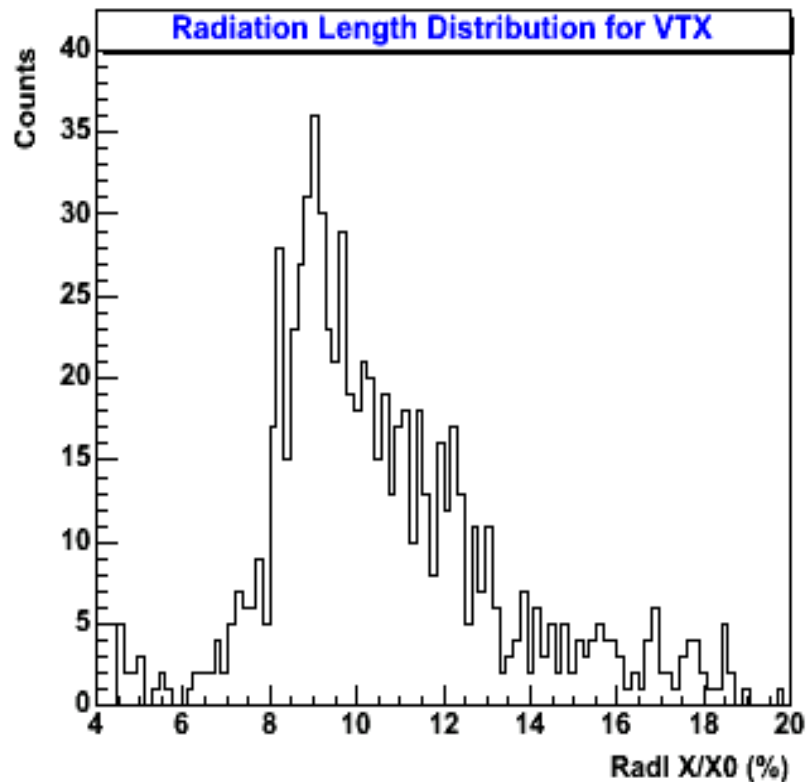
Sasha Lebedev (ISU)

August 5, 2006

VTX material budget (Maki Kurosawa)

Could not make HSCAN work.

Send single particles through PISA, and calculate radiation length using path length (adding it step-by-step).



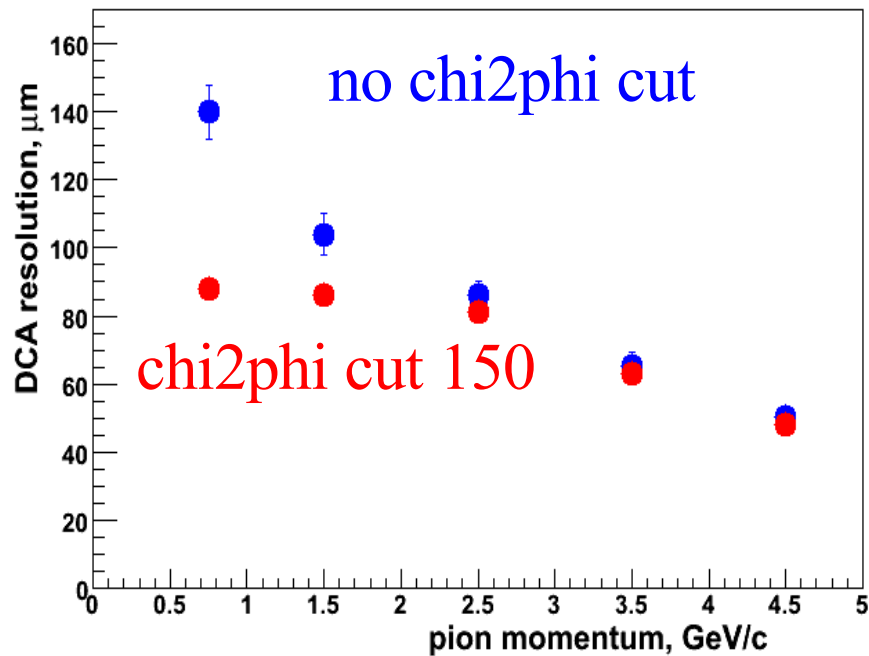
Will produce eta distribution too.

Too low radiation length for pixel layers – old phnx.par?

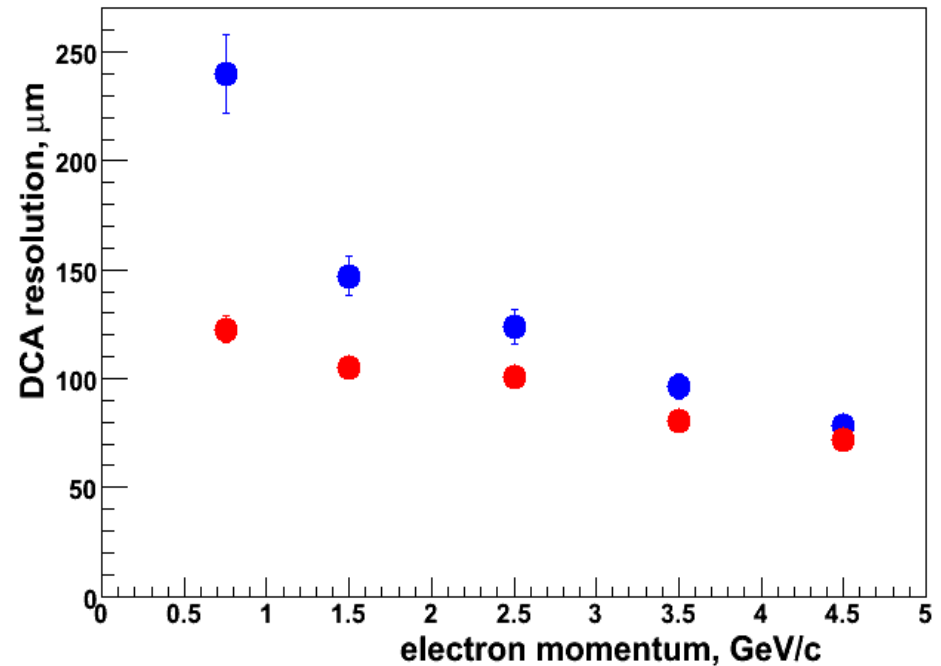
DCA resolution (SL and Andrew Bergstrom)

Single particle results. AuAu results with more details will be presented on Friday at VTX software meeting.

pions



electrons (note scale difference)



Comparison to old DCA results

current result (~12%):

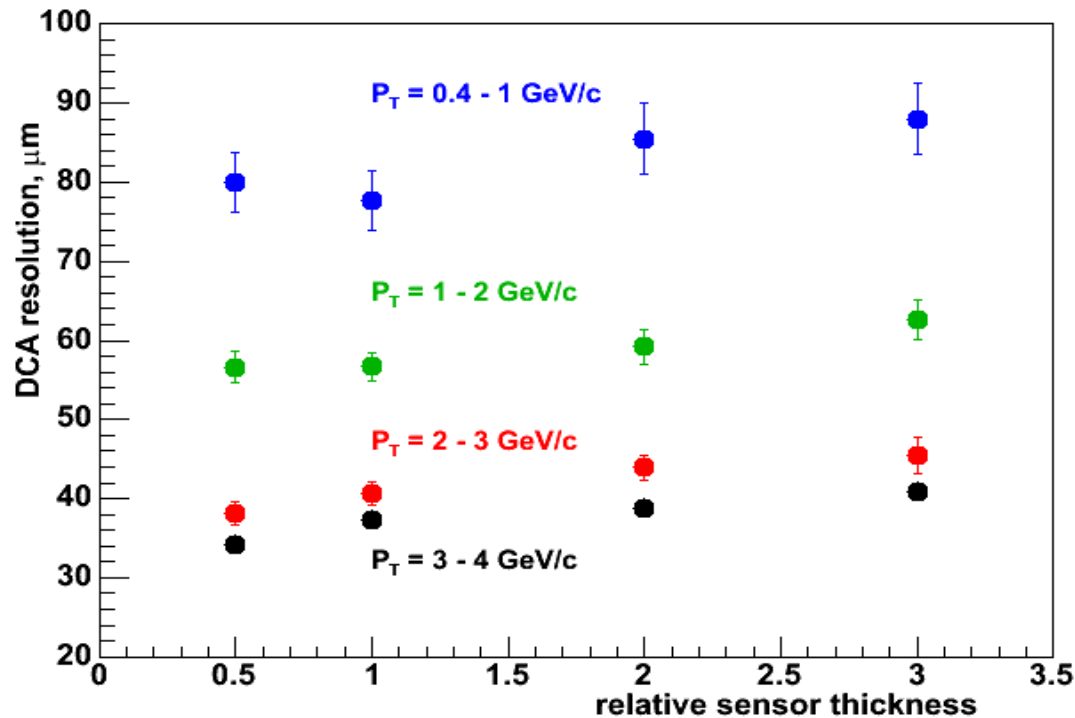
140 mm

104 mm

86 mm

51 mm

pions, no chi2phi cut, ~2 years ago



5.6%

6.4%

7.2%

Other software news

Dead/Hot map software is done, code in cvs (SL and Matt Lockner).

- test map is in the database
- checking for hot/dead channels implemented in reconstruction
- macros for reading/writing to/from database in cvs
- working on hardware/software map now.

Improved reconstruction speed (Kenichi Nakano)

- better handling of hit sorting